

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2011 Levee Inspection Results****Reclamation District No. 0524 Middle Roberts Island**

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| * Overall LMA Rating (Fall Only) | | | | |

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Reclamation District No. 0524 Middle Roberts Island

| Waterway | | | Bank | Unit Miles |
|-------------------------------|--|--|------|------------|
| Unit No. 01 San Joaquin River | | | Left | 6.26 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 4/6/2011 - 4/12/2011 | | | |
| DWR Inspector | Richard Willoughby | | | |
| Accompanied By | Mario Jaques RD 524 | | | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector | |
|-------------------------------|------------|------|---------------|---------------------------------------|----------|--------|--|------------------------------|------------------------------|--------------------|
| Unit No. 01 San Joaquin River | | | | | | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby | |
| LMR No. | Levee Mile | | Category | Item | Location | Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. Photo |
| | Start | End | | | | | | Start | End | |
| 1 | 0.00 | 6.24 | Earthen Levee | Vegetation | LS | M | Control annual grass and weeds on the levee slopes and easements. | 37.940932 ° -121.345703 ° | ° ° | 5 |
| 2 | 0.00 | 6.24 | Earthen Levee | Vegetation | WS | M | Control annual grass and weeds on the levee slopes and easements. | 37.940925 ° -121.345702 ° | ° ° | 99 |
| 3 | 0.20 | 0.20 | Earthen Levee | Erosion / Bank Caving | WS | C | Note and monitor erosion site. | 37.939034 ° -121.343868 ° | 37.939034 ° -121.343868 ° | 29 |
| 4 | 0.22 | 0.22 | Earthen Levee | Crown Surface / Depressions / Rutting | CR | M | Regrade the crown roadway for proper drainage. | 37.938890 ° -121.343657 ° | 37.938890 ° -121.343657 ° | 3 |
| 5 | 0.36 | 0.36 | Earthen Levee | Encroachments | LS | M | Garbage | 37.938338 ° -121.341290 ° | 37.938338 ° -121.341290 ° | 15 Y |
| 6 | 0.38 | 0.39 | Earthen Levee | Erosion / Bank Caving | WS | M | Note and monitor erosion site. | 37.938527 ° -121.340887 ° | 37.938553 ° -121.340778 ° | 4 Y |
| 7 | 0.48 | 0.49 | Earthen Levee | Erosion / Bank Caving | WS | U | Schedule repair of erosion site prior to the next inspection. | 37.938693 ° -121.339063 ° | 37.938693 ° -121.338993 ° | 6 Y |
| 8 | 0.51 | 0.52 | Earthen Levee | Erosion / Bank Caving | WS | U | Schedule repair of erosion site prior to the next inspection. | 37.938682 ° -121.338518 ° | 37.938657 ° -121.338425 ° | 7 Y |
| 9 | 0.53 | 0.60 | Supplemental | DWR Erosion Survey | WS | U | Inspector Comments: 09/07/2010: No significant changes observed on site. Some emergent vegetation at the lower and middle slope. Existing revetment is no longer adequately protecting the oversteepened slope. Some of the broken concrete used as revetment has slid, dragging levee materials away from the slope and creating notches. [2010 SiteID: RD0524U01RM41.15] | 37.938895 ° -121.337602 ° | 37.938895 ° -121.337602 ° | 1 Y |
| 10 | 0.63 | 0.63 | Earthen Levee | Slope Stability | WS | M | Repair the levee slope damaged by foot traffic and prevent access where possible. | 37.938247 ° -121.336503 ° | 37.938247 ° -121.336503 ° | 10 |
| 11 | 0.63 | 0.64 | Earthen Levee | Vegetation | WS | U | Remove the wild growth other than native grasses from the levee slopes. | 37.938247 ° -121.336503 ° | 37.938197 ° -121.336405 ° | 11 Y |
| 12 | 0.64 | 0.64 | Earthen Levee | Crown Surface / Depressions / Rutting | CR | M | Regrade the crown roadway for proper drainage. | 37.938198 ° -121.336407 ° | 37.938198 ° -121.336407 ° | 12 Y |
| 13 | 0.65 | 0.66 | Earthen Levee | Slope Stability | WS | M | Repair slope instability. | 37.938105 ° -121.336288 ° | 37.938023 ° -121.336173 ° | 13 Y |
| 14 | 0.68 | 0.68 | Earthen Levee | Vegetation | WS | U | Remove the wild growth other than native grasses from the levee slopes. | 37.937808 ° -121.335913 ° | 37.937808 ° -121.335913 ° | 14 Y |
| 15 | 0.79 | 0.79 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.936444 ° -121.334797 ° | 37.936444 ° -121.334797 ° | 76 |
| 16 | 0.81 | 0.81 | Earthen Levee | Erosion / Bank Caving | WS | M | Note and monitor erosion site. | 37.936217 ° -121.334698 ° | 37.936217 ° -121.334698 ° | 16 |

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------------|------|---------------|-----------------------|------------|-----------|---|------------------------------|------------------------------|--------------------|
| Unit No. 01 San Joaquin River | | | | | | | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |
| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Issue No. |
| | Start | End | | | | | | Start | End | Photo |
| 17 | 0.94 | 1.02 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.935259 ° -121.332864 ° | 37.935049 ° -121.331334 ° | 77 |
| 18 | 1.03 | 1.03 | Earthen Levee | Erosion / Bank Caving | WS | M | Schedule repair of erosion site prior to the next inspection. | 37.935018 ° -121.331248 ° | 37.935098 ° -121.331645 ° | 17 Y |
| 19 | 1.09 | 1.09 | Earthen Levee | Slope Stability | LS | M | Repair slope instability. | 37.934645 ° -121.330310 ° | 37.934645 ° -121.330310 ° | 18 Y |
| 20 | 1.14 | 1.17 | Earthen Levee | Trim / Thin Trees | WS | M | Trim trees to at least five feet above ground level. | 37.934118 ° -121.329657 ° | 37.933775 ° -121.329305 ° | 19 |
| 21 | 1.16 | 1.24 | Supplemental | DWR Erosion Survey | WS | U | Inspector Comments: 9/07/2010: No significant changes observed on site. Some emergent vegetation at the water line. There is an exposed pipe discharge partially hanging at the mid-slope, possibly still used for discharging irrigation/runoff water. There is minimal rip rap protection along the bank, and what's left of it is no longer adequately protecting the bank. [2010 SiteID: RD0524U01RM41.79] | 37.933347 ° -121.329110 ° | 37.933347 ° -121.329110 ° | 2 Y |
| 22 | 1.17 | 1.25 | Earthen Levee | Vegetation | LS | M | Remove the wild growth other than native grasses from the levee slopes. | 37.933775 ° -121.329250 ° | 37.932784 ° -121.328765 ° | 915 Y |
| 23 | 1.25 | 1.25 | Earthen Levee | Encroachments | LS | M | Garbage | 37.932665 ° -121.328808 ° | 37.932665 ° -121.328808 ° | 20 Y |
| 24 | 1.31 | 1.31 | Earthen Levee | Encroachments | WS | M | Pipe Inspector Comments: Pipe is not in use and needs to be properly abandoned. | 37.931948 ° -121.328387 ° | 37.931948 ° -121.328387 ° | 33 Y |
| 25 | 1.32 | 1.33 | Earthen Levee | Erosion / Bank Caving | WS | M | Schedule repair of erosion site prior to the next inspection. | 37.931858 ° -121.328308 ° | 37.931692 ° -121.328282 ° | 21 Y |
| 26 | 1.41 | 1.42 | Earthen Levee | Erosion / Bank Caving | WS | M | Note and monitor erosion site. | 37.930575 ° -121.328098 ° | 37.930420 ° -121.328245 ° | 22 |
| 27 | 1.51 | 1.51 | Earthen Levee | Trim / Thin Trees | LS | U | Trim and thin trees to allow visibility of the ground and room to flood fight. | 37.929118 ° -121.328368 ° | 37.929118 ° -121.328368 ° | 916 Y |
| 28 | 1.56 | 1.74 | Earthen Levee | Encroachments | LS | CO | Landscaping | 37.928352 ° -121.328307 ° | 37.926497 ° -121.326248 ° | 23 Y |
| 29 | 1.58 | 1.64 | Supplemental | DWR Erosion Survey | WS | U | Inspector Comments: 09/07/2010: No signifcant changes observed on site. The concern here is the undermining of the levee toe where most of trees are. There are erosion pockets lined along the lower slope and at the base of the trees, exposing tree roots. There is minimal slope protection. [2010 SiteID: RD0524U01RM42.2] | 37.927770 ° -121.327870 ° | 37.927770 ° -121.327870 ° | 79 Y |
| 30 | 1.62 | 1.63 | Earthen Levee | Vegetation | LS | U | Remove the wild growth other than native grasses from the levee slopes. | 37.927635 ° -121.327812 ° | 37.927540 ° -121.327648 ° | 24 Y |

*** Location**

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CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------------|------|---------------|-----------------------|----------|--------|--|------------------------------|------------------------------|--------------------|
| Unit No. 01 San Joaquin River | | | | | | | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |
| LMR No. | Levee Mile | | Category | Item | Location | Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
| | Start | End | | | | | | Start | End | Photo |
| 31 | 1.62 | 1.63 | Earthen Levee | Vegetation | WS | U | Remove the wild growth other than native grasses from the levee slopes. | 37.927635 ° -121.327812 ° | 37.927540 ° -121.327648 ° | 25 Y |
| 32 | 1.63 | 1.66 | Earthen Levee | Erosion / Bank Caving | WS | M | Note and monitor erosion site. | 37.927507 ° -121.327593 ° | 37.927295 ° -121.327298 ° | 26 |
| 33 | 1.64 | 1.64 | Earthen Levee | Encroachments | WS | CO | Poles Inspector Comments: Landowner constructed boat dock without permit. | 37.927372 ° -121.327278 ° | 37.927372 ° -121.327278 ° | 39 Y |
| 34 | 1.66 | 1.70 | Earthen Levee | Trim / Thin Trees | WS | N | Tree stumps. Inspector Comments: Several tree stumps on waterside shoulder. | 37.927255 ° -121.327137 ° | 37.926855 ° -121.326672 ° | 8 |
| 35 | 1.69 | 1.69 | Earthen Levee | Encroachments | WS | M | Stairways Inspector Comments: Stairs and retaining wall | 37.927018 ° -121.326872 ° | 37.927018 ° -121.326872 ° | 45 Y |
| 36 | 1.71 | 1.73 | Earthen Levee | Slope Stability | WS | M | Repair slope instability. | 37.926728 ° -121.326597 ° | 37.926730 ° -121.326508 ° | 27 |
| 37 | 1.75 | 1.75 | Earthen Levee | Encroachments | LS | U | Garbage | 37.926322 ° -121.326115 ° | 37.926322 ° -121.326115 ° | 28 Y |
| 38 | 1.77 | 1.77 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.925993 ° -121.325777 ° | 37.926152 ° -121.325927 ° | 46 |
| 39 | 1.80 | 1.80 | Earthen Levee | Encroachments | LS | M | Prunings | 37.925752 ° -121.325592 ° | 37.925752 ° -121.325592 ° | 100 |
| 40 | 1.90 | 1.95 | Earthen Levee | Encroachments | LS | PO | Landscaping | 37.924364 ° -121.324473 ° | 37.923805 ° -121.324238 ° | 78 |
| 41 | 2.17 | 2.18 | Earthen Levee | Erosion / Bank Caving | WS | W | Note and monitor erosion site. | 37.921383 ° -121.322043 ° | 37.921300 ° -121.321902 ° | 30 |
| 42 | 2.22 | 2.28 | Earthen Levee | Erosion / Bank Caving | WS | M | Note and monitor erosion site. | 37.920992 ° -121.321373 ° | 37.920505 ° -121.320485 ° | 31 |
| 43 | 2.29 | 2.31 | Earthen Levee | Vegetation | LS | U | Elderberries are blocking visibility and flood fight capability. | 37.920372 ° -121.320230 ° | 37.920273 ° -121.320022 ° | 32 Y |
| 44 | 2.34 | 2.35 | Earthen Levee | Erosion / Bank Caving | WS | W | Note and monitor erosion site. | 37.919885 ° -121.319713 ° | 37.919703 ° -121.319702 ° | 34 |
| 45 | 2.46 | 2.50 | Earthen Levee | Erosion / Bank Caving | WS | M | Note and monitor erosion site. | 37.918628 ° -121.320817 ° | 37.918438 ° -121.321452 ° | 36 |
| 46 | 2.47 | 2.48 | Earthen Levee | Vegetation | LS | M | Elderberries are blocking visibility and flood fight capability. | 37.918575 ° -121.320980 ° | 37.918515 ° -121.321110 ° | 35 |
| 47 | 2.48 | 2.48 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.918480 ° -121.321114 ° | 37.918480 ° -121.321114 ° | 80 |
| 48 | 2.52 | 2.52 | Earthen Levee | Vegetation | LS | U | Elderberries are blocking visibility and flood fight capability. | 37.918345 ° -121.321765 ° | 37.918302 ° -121.321923 ° | 37 Y |

*** Location**

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CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------------|------|---------------|-----------------------|----------|--------|--|------------------------------|------------------------------|--------------------|
| Unit No. 01 San Joaquin River | | | | | | | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |
| LMR No. | Levee Mile | | Category | Item | Location | Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
| | Start | End | | | | | | Start | End | Photo |
| 49 | 2.53 | 2.53 | Earthen Levee | Vegetation | WS | U | Elderberries are blocking visibility and flood fight capability. | 37.918287 ° -121.321980 ° | 37.918287 ° -121.321980 ° | 38 Y |
| 50 | 2.55 | 2.59 | Earthen Levee | Slope Stability | LS | M | Repair slope instability. | 37.918060 ° -121.322384 ° | 37.917667 ° -121.322713 ° | 82 |
| 51 | 2.56 | 2.56 | Earthen Levee | Vegetation | LS | M | Elderberries are blocking visibility and flood fight capability. | 37.918047 ° -121.322415 ° | 37.918047 ° -121.322415 ° | 40 |
| 52 | 2.59 | 2.59 | Earthen Levee | Vegetation | LS | M | Elderberries are blocking visibility and flood fight capability. | 37.917673 ° -121.322718 ° | 37.917673 ° -121.322718 ° | 41 |
| 53 | 2.59 | 2.59 | Earthen Levee | Encroachments | WS | CO | Buildings | 37.917673 ° -121.322718 ° | 37.917673 ° -121.322718 ° | 42 Y |
| 54 | 2.60 | 2.60 | Earthen Levee | Animal Control | LS | M | Repair the levee slope damaged by livestock and prevent large animal access. | 37.917475 ° -121.322808 ° | 37.917475 ° -121.322808 ° | 917 |
| 55 | 2.61 | 2.65 | Earthen Levee | Vegetation | LS | W | Remove the wild growth other than native grasses from the levee slopes. | 37.917222 ° -121.322652 ° | 37.916903 ° -121.322167 ° | 9 |
| 56 | 2.66 | 2.66 | Earthen Levee | Vegetation | LS | U | Elderberries are blocking visibility and flood fight capability. | 37.916780 ° -121.322095 ° | 37.916780 ° -121.322095 ° | 43 Y |
| 57 | 2.67 | 2.69 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.916718 ° -121.322020 ° | 37.916502 ° -121.321980 ° | 918 |
| 58 | 2.67 | 2.67 | Earthen Levee | Encroachments | WS | PO | Ramp | 37.916698 ° -121.322007 ° | 37.916698 ° -121.322007 ° | 920 |
| 59 | 2.67 | 2.67 | Earthen Levee | Erosion / Bank Caving | WS | M | Schedule repair of erosion site prior to the next inspection. | 37.916650 ° -121.321987 ° | 37.916650 ° -121.321987 ° | 919 |
| 60 | 2.71 | 2.80 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.916180 ° -121.322165 ° | 37.915142 ° -121.323018 ° | 44 |
| 61 | 2.73 | 2.73 | Earthen Levee | Encroachments | LS | M | Tree or limb | 37.915747 ° -121.322470 ° | 37.915747 ° -121.322470 ° | 60 |
| 62 | 2.77 | 2.77 | Earthen Levee | Encroachments | LS | M | Tree or limb Inspector Comments: Broken tree branch. | 37.915503 ° -121.322745 ° | 37.915503 ° -121.322745 ° | 70 |
| 63 | 2.81 | 2.81 | Earthen Levee | Encroachments | WS | M | Prunings | 37.915125 ° -121.323227 ° | 37.915125 ° -121.323227 ° | 921 |
| 64 | 2.82 | 2.82 | Earthen Levee | Vegetation | LS | U | Elderberries are blocking visibility and flood fight capability. | 37.915022 ° -121.323443 ° | 37.915022 ° -121.323443 ° | 48 Y |
| 65 | 2.83 | 2.83 | Earthen Levee | Trim / Thin Trees | LS | M | Thin trees to allow visibility of the ground and room to flood fight. | 37.915063 ° -121.323585 ° | 37.915063 ° -121.323585 ° | 91 |
| 66 | 2.88 | 2.88 | Earthen Levee | Vegetation | LS | M | Elderberries are blocking visibility and flood fight capability. | 37.914427 ° -121.324198 ° | 37.914427 ° -121.324198 ° | 49 |
| 67 | 2.93 | 2.95 | Earthen Levee | Encroachments | LS | M | Prunings | 37.913767 ° -121.324427 ° | 37.913503 ° -121.324488 ° | 50 Y |

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector | |
|-------------------------------|------------|------|---------------|-----------------------|----------|--------|---|------------------------------|------------------------------|--------------------|
| Unit No. 01 San Joaquin River | | | | | | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby | |
| LMIR No. | Levee Mile | | Category | Item | Location | Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. Photo |
| | Start | End | | | | | | Start | End | |
| 68 | 2.96 | 2.96 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.913415 ° -121.324503 ° | 37.913415 ° -121.324503 ° | 51 |
| 69 | 2.98 | 2.98 | Earthen Levee | Erosion / Bank Caving | WS | M | Note and monitor erosion site. | 37.913010 ° -121.324497 ° | 37.913010 ° -121.324497 ° | 922 Y |
| 70 | 3.04 | 3.04 | Earthen Levee | Animal Control | LS | M | Repair the levee slope damaged by livestock and prevent large animal access. | 37.912163 ° -121.324702 ° | 37.912163 ° -121.324702 ° | 924 |
| 71 | 3.10 | 3.12 | Earthen Levee | Animal Control | LS | M | Exterminate rodents and backfill and compact or grout burrows. | 37.911382 ° -121.324928 ° | 37.911088 ° -121.325113 ° | 925 |
| 72 | 3.33 | 3.35 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.908158 ° -121.325418 ° | 37.907872 ° -121.325443 ° | 926 |
| 73 | 3.37 | 3.40 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.907645 ° -121.325442 ° | 37.907157 ° -121.325408 ° | 52 |
| 74 | 3.38 | 3.39 | Earthen Levee | Encroachments | LS | CO | Landscaping | 37.907407 ° -121.325435 ° | 37.907177 ° -121.325392 ° | 92 |
| 75 | 3.39 | 3.45 | Earthen Levee | Animal Control | WS | M | Exterminate rodents and backfill and compact or grout burrows. | 37.907283 ° -121.325432 ° | 37.906503 ° -121.325002 ° | 53 |
| 76 | 3.43 | 3.49 | Earthen Levee | Trim / Thin Trees | LS | M | Trim and thin trees to allow visibility of the ground and room to flood fight. | 37.906747 ° -121.325248 ° | 37.906192 ° -121.324543 ° | 54 |
| 77 | 3.45 | 3.45 | Earthen Levee | Encroachments | LS | M | Material Inspector Comments: Broken concrete pipes | 37.906540 ° -121.325015 ° | 37.906540 ° -121.325015 ° | 56 |
| 78 | 3.45 | 3.45 | Earthen Levee | Encroachments | LS | C | Garbage | 37.906503 ° -121.325002 ° | 37.906503 ° -121.325002 ° | 55 |
| 79 | 3.47 | 3.47 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.906265 ° -121.324643 ° | 37.906265 ° -121.324643 ° | 93 |
| 80 | 3.54 | 3.64 | Earthen Levee | Trim / Thin Trees | LS | M | Trim and thin trees to allow visibility of the ground and room to flood fight. | 37.905638 ° -121.323892 ° | 37.904430 ° -121.324570 ° | 57 |
| 81 | 3.68 | 3.68 | Earthen Levee | Slope Stability | WS | M | Repair the levee slope damaged by foot traffic and prevent access where possible. | 37.904113 ° -121.325080 ° | 37.904113 ° -121.325080 ° | 58 |
| 82 | 3.80 | 3.80 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.902645 ° -121.326340 ° | 37.902645 ° -121.326340 ° | 927 |
| 83 | 3.82 | 3.82 | Earthen Levee | Trim / Thin Trees | LS | W | Trim trees to at least five feet above ground level. | 37.902417 ° -121.326482 ° | 37.902417 ° -121.326482 ° | 59 |
| 84 | 3.84 | 3.85 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.902155 ° -121.326523 ° | 37.902002 ° -121.326550 ° | 928 |
| 85 | 3.89 | 4.01 | Earthen Levee | Encroachments | LS | M | Equipment | 37.901375 ° -121.326507 ° | 37.899745 ° -121.326630 ° | 62 Y |

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------------|------|---------------|-------------------|----------|--------|---|------------------------------|------------------------------|--------------------|
| Unit No. 01 San Joaquin River | | | | | | | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |
| LMR No. | Levee Mile | | Category | Item | Location | Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
| | Start | End | | | | | | Start | End | Photo |
| 86 | 3.92 | 3.92 | Earthen Levee | Vegetation | WS | M | Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove cactus | 37.900952 ° -121.326443 ° | 37.900952 ° -121.326443 ° | 94 |
| 87 | 3.93 | 3.93 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.900854 ° -121.326438 ° | 37.900854 ° -121.326438 ° | 83 |
| 88 | 4.06 | 4.06 | Earthen Levee | Encroachments | LS | CO | Ramp Inspector Comments: Unauthorized ramp. Ramp does not me Title 23 standard. | 37.899027 ° -121.326982 ° | 37.899027 ° -121.326982 ° | 101 |
| 89 | 4.07 | 4.07 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.898925 ° -121.327015 ° | 37.898925 ° -121.327015 ° | 61 |
| 90 | 4.08 | 4.13 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 37.898832 ° -121.327092 ° | 37.898090 ° -121.327457 ° | 64 |
| 91 | 4.40 | 4.56 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 37.894587 ° -121.329253 ° | 37.892493 ° -121.328267 ° | 65 |
| 92 | 4.57 | 4.57 | Earthen Levee | Trim / Thin Trees | WS | M | Trim trees to at least five feet above ground level. | 37.892368 ° -121.328200 ° | 37.892368 ° -121.328200 ° | 102 |
| 93 | 4.58 | 4.58 | Earthen Levee | Encroachments | LS | M | Tree or limb Inspector Comments: Down tree on landside toe. | 37.892222 ° -121.328182 ° | 37.892222 ° -121.328182 ° | 103 |
| 94 | 4.64 | 4.64 | Earthen Levee | Encroachments | LS | M | Garbage | 37.891365 ° -121.328633 ° | 37.891365 ° -121.328633 ° | 66 Y |
| 95 | 4.64 | 4.68 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.891337 ° -121.328685 ° | 37.890953 ° -121.328993 ° | 63 |
| 96 | 4.74 | 4.74 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.890108 ° -121.329523 ° | 37.890108 ° -121.329523 ° | 67 |
| 97 | 4.95 | 4.95 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. Inspector Comments: Down tree laying on landside toe. | 37.887578 ° -121.331237 ° | 37.887578 ° -121.331237 ° | 95 |
| 98 | 4.98 | 4.98 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.887277 ° -121.331609 ° | 37.887277 ° -121.331609 ° | 84 |
| 99 | 5.11 | 5.11 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.885400 ° -121.332153 ° | 37.885400 ° -121.332153 ° | 68 |
| 100 | 5.17 | 5.17 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.884592 ° -121.332168 ° | 37.884592 ° -121.332168 ° | 71 |
| 101 | 5.20 | 5.20 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees over roadway to at least 12 feet above ground level. | 37.884075 ° -121.332118 ° | 37.884075 ° -121.332118 ° | 72 |
| 102 | 5.32 | 5.38 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.882377 ° -121.332598 ° | 37.881498 ° -121.332800 ° | 85 |
| 103 | 5.43 | 5.46 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.880945 ° -121.332837 ° | 37.880522 ° -121.332918 ° | 932 |

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------------|------|---------------|-----------------------|----------|--------|---|------------------------------|------------------------------|--------------------|
| Unit No. 01 San Joaquin River | | | | | | | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |
| LMR No. | Levee Mile | | Category | Item | Location | Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
| | Start | End | | | | | | Start | End | Photo |
| 104 | 5.46 | 5.46 | Earthen Levee | Animal Control | LS | M | Exterminate rodents and backfill and compact or grout burrows. | 37.880575 ° -121.332890 ° | 37.880575 ° -121.332890 ° | 931 |
| 105 | 5.48 | 5.48 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.880085 ° -121.333045 ° | 37.880085 ° -121.333045 ° | 73 |
| 106 | 5.57 | 5.57 | Earthen Levee | Trim / Thin Trees | WS | M | Trim trees to at least five feet above ground level. | 37.878918 ° -121.333148 ° | 37.878918 ° -121.333148 ° | 96 |
| 107 | 5.65 | 5.66 | Supplemental | DWR Erosion Survey | WS | M | Inspector Comments: 09/07/2010: No significant changes observed on site. Erosion site is located beneath Howard Road Bridge. Majority of the existing rip rap has slipped, dragging away levee materials and exposing the underlying soft soil. 08/06/2010: Recommend for annual assessment and monitoring during flood events, per CLRO. [2010 SiteID: RD0524U01RM46.12] | 37.877880 ° -121.332550 ° | 37.877880 ° -121.332550 ° | 90 Y |
| 108 | 5.86 | 5.86 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 37.875073 ° -121.333168 ° | 37.875073 ° -121.333168 ° | 69 |
| 109 | 5.92 | 5.94 | Earthen Levee | Animal Control | WS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 37.874240 ° -121.333187 ° | 37.874002 ° -121.333027 ° | 75 |
| 110 | 5.92 | 5.92 | Earthen Levee | Erosion / Bank Caving | WS | M | Note and monitor erosion site. | 37.874240 ° -121.333185 ° | 37.874165 ° -121.333155 ° | 74 Y |
| 111 | 5.97 | 5.97 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.873678 ° -121.332550 ° | 37.873678 ° -121.332550 ° | 86 |
| 112 | 5.99 | 6.00 | Earthen Levee | Encroachments | LS | PO | Fences | 37.873545 ° -121.332308 ° | 37.873445 ° -121.332127 ° | 87 |
| 113 | 5.99 | 6.00 | Earthen Levee | Encroachments | LS | PO | Landscaping Inspector Comments: Catus | 37.873543 ° -121.332308 ° | 37.873445 ° -121.332127 ° | 88 Y |
| 114 | 6.01 | 6.05 | Earthen Levee | Encroachments | LS | CO | Buildings | 37.873377 ° -121.331977 ° | 37.873102 ° -121.331382 ° | 89 Y |
| 115 | 6.02 | 6.02 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.873300 ° -121.331928 ° | 37.873300 ° -121.331928 ° | 81 |
| 116 | 6.05 | 6.05 | Earthen Levee | Erosion / Bank Caving | WS | M | Schedule repair of erosion site prior to the next inspection. | 37.873047 ° -121.331408 ° | 37.873047 ° -121.331408 ° | 933 |
| 117 | 6.23 | 6.23 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.870842 ° -121.330000 ° | 37.870842 ° -121.330000 ° | 98 |
| 118 | 6.23 | 6.23 | Earthen Levee | Vegetation | LS | M | Remove the wild growth other than native grasses from the levee slopes. | 37.870840 ° -121.329993 ° | 37.870840 ° -121.329993 ° | 97 |

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 5 |
| Start Levee Mile | 0.36 |
| End Levee Mile | 0.36 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Garbage pile at landward toe at LM 0.36

richard_s_20110215_154.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 0.38 |
| End Levee Mile | 0.39 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Minor erosion from LM 0.38 to 0.39

richard_s_20110215_137.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 7 |
| Start Levee Mile | 0.48 |
| End Levee Mile | 0.49 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Major erosion from LM 0.48 to 0.49

richard_s_20110215_138.jpg



*** Location**

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WS : Waterside
CR : Crown

**** Rating**

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N : Not Inspected/Rated

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 7 |
| Start Levee Mile | 0.48 |
| End Levee Mile | 0.49 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Update of erosion site at LM 0.48 to 0.49

richard_s_20110215_139.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 7 |
| Start Levee Mile | 0.48 |
| End Levee Mile | 0.49 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Looking southeast at erosion (no change as 4/2010)

richard_s_20110215_140.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 7 |
| Start Levee Mile | 0.48 |
| End Levee Mile | 0.49 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Looking at erosion from the top of the levee (no change as of 4/2010)

richard_s_20110215_141.jpg



*** Location**

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WS : Waterside
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 8 |
| Start Levee Mile | 0.51 |
| End Levee Mile | 0.52 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Erosion from LM 0.51 to 0.52

richard_s_20110215_142.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 8 |
| Start Levee Mile | 0.51 |
| End Levee Mile | 0.52 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Update of erosion site at LM 0.51 to 0.52

richard_s_20110215_143.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 8 |
| Start Levee Mile | 0.51 |
| End Levee Mile | 0.52 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Looking southeast at erosion on waterside slope ,
no change as of 4/2010)

richard_s_20110215_144.jpg



*** Location**

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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 8 |
| Start Levee Mile | 0.51 |
| End Levee Mile | 0.52 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Looking at erosion from the top of the levee. No change as of 4/2010

richard_s_20110215_145.jpg



| | |
|------------------------|--------------------|
| Levee Mile Report Line | 9 |
| Start Levee Mile | 0.53 |
| End Levee Mile | 0.60 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Upstream view of site. Some of the broken concrete used as revetment is sliding, dragging down levee materials.

richard_s_20110215_129.jpg



| | |
|------------------------|--------------------|
| Levee Mile Report Line | 9 |
| Start Levee Mile | 0.53 |
| End Levee Mile | 0.60 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Direct view of site.

richard_s_20110215_130.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|--------------------|
| Levee Mile Report Line | 9 |
| Start Levee Mile | 0.53 |
| End Levee Mile | 0.60 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Upstream view. Sloughing mid-slope possibly caused by sliding of the revetment.

richard_s_20110215_131.jpg



| | |
|------------------------|--------------------|
| Levee Mile Report Line | 9 |
| Start Levee Mile | 0.53 |
| End Levee Mile | 0.60 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Direct view of site showing emergent vegetation growing at the midslope.

richard_s_20110215_132.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 11 |
| Start Levee Mile | 0.63 |
| End Levee Mile | 0.64 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking north at bamboo on waterside slope.

richard_s_20110215_146.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 11 |
| Start Levee Mile | 0.63 |
| End Levee Mile | 0.64 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking north at bamboo on waterside slope as of 4/2010 no change.

richard_s_20110215_147.jpg



| | |
|------------------------|---------------------------------------|
| Levee Mile Report Line | 12 |
| Start Levee Mile | 0.64 |
| End Levee Mile | 0.64 |
| Location | Crown |
| Category | Earthen Levee |
| Item | Crown Surface / Depressions / Rutting |

Large hole 3 x 3 on levee crown near waterside shoulder at LM 0.64

richard_s_20110215_148.jpg



| | |
|------------------------|-----------------|
| Levee Mile Report Line | 13 |
| Start Levee Mile | 0.65 |
| End Levee Mile | 0.66 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Slope Stability |

Erosion from LM 0.65 to 0.66

richard_s_20110215_149.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|-----------------|
| Levee Mile Report Line | 13 |
| Start Levee Mile | 0.65 |
| End Levee Mile | 0.66 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Slope Stability |

Update of erosion site at LM 0.65 to 0.66

richard_s_20110215_150.jpg



| | |
|------------------------|-----------------|
| Levee Mile Report Line | 13 |
| Start Levee Mile | 0.65 |
| End Levee Mile | 0.66 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Slope Stability |

Looking south at erosion on waterside shoulder.

richard_s_20110215_151.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 14 |
| Start Levee Mile | 0.68 |
| End Levee Mile | 0.68 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Bamboo on waterward slope at LM 0.68

richard_s_20110215_152.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 14 |
| Start Levee Mile | 0.68 |
| End Levee Mile | 0.68 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking southeast at bamboo on waterside shoulder as of 4/2010.

richard_s_20110215_153.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 18 |
| Start Levee Mile | 1.03 |
| End Levee Mile | 1.03 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Looking upstream (south) at erosion site.

richard_s_20110215_155.jpg



| | |
|------------------------|-----------------|
| Levee Mile Report Line | 19 |
| Start Levee Mile | 1.09 |
| End Levee Mile | 1.09 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Slope Stability |

Landward slope damage at LM 1.09

richard_s_20110215_156.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|-----------------|
| Levee Mile Report Line | 19 |
| Start Levee Mile | 1.09 |
| End Levee Mile | 1.09 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Slope Stability |

Updated picture of erosion site on landside shoulder.

richard_s_20110215_157.jpg



| | |
|------------------------|-----------------|
| Levee Mile Report Line | 19 |
| Start Levee Mile | 1.09 |
| End Levee Mile | 1.09 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Slope Stability |

Update of above slope stability.

richard_s_20110215_158.jpg



| | |
|------------------------|-----------------|
| Levee Mile Report Line | 19 |
| Start Levee Mile | 1.09 |
| End Levee Mile | 1.09 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Slope Stability |

Looking at updated slope stability as 4/2010

richard_s_20110215_159.jpg



*** Location**

LS : Landside
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CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|--------------------|
| Levee Mile Report Line | 21 |
| Start Levee Mile | 1.16 |
| End Levee Mile | 1.24 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Upstream view of site where sloughing is occurring.

richard_s_20110215_133.jpg



| | |
|------------------------|--------------------|
| Levee Mile Report Line | 21 |
| Start Levee Mile | 1.16 |
| End Levee Mile | 1.24 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Downstream view of site.

richard_s_20110215_134.jpg



| | |
|------------------------|--------------------|
| Levee Mile Report Line | 21 |
| Start Levee Mile | 1.16 |
| End Levee Mile | 1.24 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Downstream view of site.

richard_s_20110215_135.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|--------------------|
| Levee Mile Report Line | 21 |
| Start Levee Mile | 1.16 |
| End Levee Mile | 1.24 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Downstream view of site.

richard_s_20110215_136.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 22 |
| Start Levee Mile | 1.17 |
| End Levee Mile | 1.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking southwest at dense veg. on landside toe.

richard_s_20110215_204.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 23 |
| Start Levee Mile | 1.25 |
| End Levee Mile | 1.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Concrete rubble with rebar on landward shoulder at LM 1.25

richard_s_20110215_160.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 23 |
| Start Levee Mile | 1.25 |
| End Levee Mile | 1.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking south at concrete rubble on landside slope.

richard_s_20110215_161.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 24 |
| Start Levee Mile | 1.31 |
| End Levee Mile | 1.31 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking north at broken pipe.

richard_s_20110215_174.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 24 |
| Start Levee Mile | 1.31 |
| End Levee Mile | 1.31 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking west at pipe on landside slope.

richard_s_20110215_175.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 25 |
| Start Levee Mile | 1.32 |
| End Levee Mile | 1.33 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Erosion from LM 1.32 to 1.33

richard_s_20110215_162.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 25 |
| Start Levee Mile | 1.32 |
| End Levee Mile | 1.33 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Looking at erosion from top of levee

richard_s_20110215_163.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 25 |
| Start Levee Mile | 1.32 |
| End Levee Mile | 1.33 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Looking at update of erosion site at LM 1.32 to 1.33

richard_s_20110215_164.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|-------------------|
| Levee Mile Report Line | 27 |
| Start Levee Mile | 1.51 |
| End Levee Mile | 1.51 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Trim / Thin Trees |

Dense vegetation on landside toe.

richard_s_20110215_205.jpg



| | |
|------------------------|-------------------|
| Levee Mile Report Line | 27 |
| Start Levee Mile | 1.51 |
| End Levee Mile | 1.51 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Trim / Thin Trees |

Looking south at dense veg. on landside slope and toe.

richard_s_20110215_206.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 28 |
| Start Levee Mile | 1.56 |
| End Levee Mile | 1.74 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Overgrown landscaping on landward slope from LM 1.56 to 1.74

richard_s_20110215_165.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|--------------------|
| Levee Mile Report Line | 29 |
| Start Levee Mile | 1.58 |
| End Levee Mile | 1.64 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Front view of site where undermining has occurred.

richard_s_20110215_194.jpg



| | |
|------------------------|--------------------|
| Levee Mile Report Line | 29 |
| Start Levee Mile | 1.58 |
| End Levee Mile | 1.64 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Large trees along the levee toe. There is minimal slope protection.

richard_s_20110215_195.jpg



| | |
|------------------------|--------------------|
| Levee Mile Report Line | 29 |
| Start Levee Mile | 1.58 |
| End Levee Mile | 1.64 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Large trees along the levee toe where undermining at the toe has occurred.

richard_s_20110215_196.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|--------------------|
| Levee Mile Report Line | 29 |
| Start Levee Mile | 1.58 |
| End Levee Mile | 1.64 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Close up view of a pocket erosion that is directly affecting the base of a tree. Note the exposed tree roots. This image was taken on 09/29/2009.

richard_s_20110215_197.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 30 |
| Start Levee Mile | 1.62 |
| End Levee Mile | 1.63 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking north at dense veg on landside and waterside slopes.

richard_s_20110215_166.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 31 |
| Start Levee Mile | 1.62 |
| End Levee Mile | 1.63 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking southeast at dense veg. on waterside slope.

richard_s_20110215_167.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 33 |
| Start Levee Mile | 1.64 |
| End Levee Mile | 1.64 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking east at non-permitted boat dock.

richard_s_20110215_181.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 33 |
| Start Levee Mile | 1.64 |
| End Levee Mile | 1.64 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking at garbage on waterside slope.

richard_s_20110215_182.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 35 |
| Start Levee Mile | 1.69 |
| End Levee Mile | 1.69 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking northeast on non-permitted concrete stairs on waterside slope.

richard_s_20110215_185.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|---|---------------|
| Levee Mile Report Line | 35 |
| Start Levee Mile | 1.69 |
| End Levee Mile | 1.69 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |
| Looking west at concrete stairs on waterside slope. | |
| richard_s_20110215_186.jpg | |



| | |
|---|---------------|
| Levee Mile Report Line | 35 |
| Start Levee Mile | 1.69 |
| End Levee Mile | 1.69 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |
| Looking southwest at retaining wall connect to concrete stairs. | |
| richard_s_20110215_187.jpg | |



| | |
|--|---------------|
| Levee Mile Report Line | 37 |
| Start Levee Mile | 1.75 |
| End Levee Mile | 1.75 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |
| Garbage on landward toe from LM 1.75 to 1.76 | |
| richard_s_20110215_168.jpg | |

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 37 |
| Start Levee Mile | 1.75 |
| End Levee Mile | 1.75 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking at updated trash pile on landside slope and toe.

richard_s_20110215_169.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 37 |
| Start Levee Mile | 1.75 |
| End Levee Mile | 1.75 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking west at prunings on landside toe.

richard_s_20110215_170.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 43 |
| Start Levee Mile | 2.29 |
| End Levee Mile | 2.31 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking south at dense veg on landside slope and toe.

richard_s_20110215_173.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 48 |
| Start Levee Mile | 2.52 |
| End Levee Mile | 2.52 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking south at elderberry on landside slope.

richard_s_20110215_176.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 48 |
| Start Levee Mile | 2.52 |
| End Levee Mile | 2.52 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking southwest at trees along levee landside toe.

richard_s_20110215_177.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 48 |
| Start Levee Mile | 2.52 |
| End Levee Mile | 2.52 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking north at elderberry and trees on landside slope.

richard_s_20110215_178.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 49 |
| Start Levee Mile | 2.53 |
| End Levee Mile | 2.53 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking south at elderberry on waterside slope.

richard_s_20110215_179.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 49 |
| Start Levee Mile | 2.53 |
| End Levee Mile | 2.53 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking north at elderberry on waterside slope.

richard_s_20110215_180.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 53 |
| Start Levee Mile | 2.59 |
| End Levee Mile | 2.59 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking at animal pens on landside slope and toe.

richard_s_20110525_489.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|--|---------------|
| Levee Mile Report Line | 56 |
| Start Levee Mile | 2.66 |
| End Levee Mile | 2.66 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |
| Looking southwest at structures on landside. | |
| richard_s_20110215_184.jpg | |



| | |
|--|---------------|
| Levee Mile Report Line | 64 |
| Start Levee Mile | 2.82 |
| End Levee Mile | 2.82 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |
| Looking south at elderberry on landside slope. | |
| richard_s_20110215_189.jpg | |



| | |
|--|---------------|
| Levee Mile Report Line | 67 |
| Start Levee Mile | 2.93 |
| End Levee Mile | 2.95 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |
| Looking southwest at prunings on landside slope. | |
| richard_s_20110418_488.jpg | |



| | | | |
|--|--|--|------------------------------------|
| * Location LS : Landside WS : Waterside CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated | C : Corrected W : Watch/Monitor |
|--|--|--|------------------------------------|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 69 |
| Start Levee Mile | 2.98 |
| End Levee Mile | 2.98 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Looking east at erosion on waterside toe.

richard_s_20110215_207.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 85 |
| Start Levee Mile | 3.89 |
| End Levee Mile | 4.01 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking upstream at equipment on landside shoulder

richard_s_20110215_190.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 94 |
| Start Levee Mile | 4.64 |
| End Levee Mile | 4.64 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Garbage at landward toe next to ramp at LM 4.64

richard_s_20110215_191.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|--------------------|
| Levee Mile Report Line | 107 |
| Start Levee Mile | 5.65 |
| End Levee Mile | 5.66 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Sloughing rip rap just below the Howard Bridge abutment.

richard_s_20110215_200.jpg



| | |
|------------------------|--------------------|
| Levee Mile Report Line | 107 |
| Start Levee Mile | 5.65 |
| End Levee Mile | 5.66 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Upstream view of the sloughing rip rap adjacent to Howard Bridge.

richard_s_20110215_201.jpg



| | |
|------------------------|--------------------|
| Levee Mile Report Line | 107 |
| Start Levee Mile | 5.65 |
| End Levee Mile | 5.66 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Front view of sloughing rip rap.

richard_s_20110215_202.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|--------------------|
| Levee Mile Report Line | 107 |
| Start Levee Mile | 5.65 |
| End Levee Mile | 5.66 |
| Location | Water Side |
| Category | Supplemental |
| Item | DWR Erosion Survey |

Downstream view of the site.

richard_s_20110215_203.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 110 |
| Start Levee Mile | 5.92 |
| End Levee Mile | 5.92 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Erosion at waterward toe and around irrigation pipe at LM 5.92

richard_s_20110215_192.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 110 |
| Start Levee Mile | 5.92 |
| End Levee Mile | 5.92 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Looking southeast at erosion around pipe.

richard_s_20110215_193.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0524 Middle Roberts Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Left | 6.26 | 04/06/2011 04/12/2011 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 113 |
| Start Levee Mile | 5.99 |
| End Levee Mile | 6.00 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking southeast at fence and cactus on landside slope and toe.

richard_s_20110215_198.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 114 |
| Start Levee Mile | 6.01 |
| End Levee Mile | 6.05 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking downstream at building on landside toe.

richard_s_20110215_199.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor